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FEDERAL STATE PRIVATE
COOPERATIVE SNOW SURVEYS

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CURRENT SERIAL RECORDS

WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
MONTANA

UNITED STATES DEPARTMENT of AGRICULTURE...SOIL CONSERVATION SERVICE,
and
MONTANA AGRICULTURAL EXPERIMENT STATION

Data included in this report were obtained by the
agencies named above in cooperation with Federal,
State, and private organizations listed on the
inside back cover of this report.

AS OF
MAY 1, 1966

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

To Recipients of Water Supply Outlook Reports:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season as they affect runoff will add to be an effective average. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1400 snow courses in Western United States and in the Columbia Basin in British Columbia. In the near future, it is anticipated that automatic snow water equivalent sensing devices along with radio telemetry will provide a continuous record of snow water equivalent at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

Listed below are water supply outlook reports based on Federal-State-Private Cooperative snow surveys. Those published by the Soil Conservation Service may be obtained from Soil Conservation Service, Room 507, Federal Building, 701 N. W. Glisan, Portland, Oregon 97209.

PUBLISHED BY SOIL CONSERVATION SERVICE

<u>REPORTS</u>	<u>ISSUED</u>	<u>LOCATION</u>	<u>COOPERATING WITH</u>
RIVER BASINS			
WESTERN UNITED STATES			
MONTHLY (FEB.-MAY)	PORTLAND, OREGON	ALL COOPERATORS	
BASIC DATA SUMMARY	OCTOBER 1	PORTLAND, OREGON	ALL COOPERATORS
STATES			
ALASKA	MONTHLY (MAR.-MAY)	PALMER, ALASKA	ALASKA S.C.D.
ARIZONA	SEMI-MONTHLY (JAN.15 - APR.1)	PHOENIX, ARIZONA	SALT R. VALLEY WATER USERS ASSOC. ARIZ. AGR. EXP. STATION
COLORADO AND NEW MEXICO	MONTHLY (FEB.-MAY)	FORT COLLINS, COLORADO	COLO. STATE UNIVERSITY COLO. STATE ENGINEER N. MEX. STATE ENGINEER
IDAHO	MONTHLY (JAN.-JUNE)	BOISE, IDAHO	IDAHO STATE RECLAMATION ENGINEER
MONTANA	MONTHLY (JAN.-JUNE)	BOZEMAN, MONTANA	MONT. AGR. EXP. STATION
NEVADA	MONTHLY (JAN.-MAY)	RENO, NEVADA	NEVADA DEPT. OF CONSERVATION AND NATURAL RESOURCES - DIVISION OF WATER RESOURCES
OREGON	MONTHLY (JAN.-JUNE)	PORTLAND, OREGON	OREG. STATE UNIVERSITY OREGON STATE ENGINEER
UTAH	MONTHLY (JAN.-JUNE)	SALT LAKE CITY, UTAH	UTAH STATE ENGINEER
WASHINGTON	MONTHLY (FEB.-JUNE)	SPOKANE, WASHINGTON	WN. STATE DEPT. OF CONSERVATION
WYOMING	MONTHLY (FEB.-JUNE)	CASPER, WYOMING	WYOMING STATE ENGINEER

PUBLISHED BY OTHER AGENCIES

<u>REPORTS</u>	<u>ISSUED</u>	<u>AGENCY</u>
BRITISH COLUMBIA	MONTHLY (FEB.-JUNE)	WATER RESOURCES SERVICE, DEPT. OF LANDS, FOREST AND WATER RESOURCES, PARLIAMENT BLDG., VICTORIA, B.C., CANADA
CALIFORNIA	MONTHLY (FEB.-MAY)	CALIF. DEPT. OF WATER RESOURCES, P.O. BOX 388, SACRAMENTO, CALIF.

WATER SUPPLY OUTLOOK
FEDERAL-STATE-PRIVATE COOPERATIVE SNOW SURVEYS
for
MONTANA

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Soil Conservation Service
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MONTANA
WATER SUPPLY OUTLOOK
as of
May 1, 1966

Snow surveys made near the first of May vary from 30 to 70 percent of last year and are generally 65 to 90 percent average.

Headwaters of the Jefferson and Madison have about 65 percent average snow cover. Heavy snows in the Gallatin drainage during April helped to bring the snow pack up to 85 percent average and improve the outlook for late season supplies.

Along the main stem of the Missouri, snow pack is about 70 percent average along the Continental Divide and near average in the Castle, Big and Little Belt mountains on drainages to the east.

Snow pack on the Yellowstone headwaters is about 80 percent average. Near average snow cover exists in the Crazy mountains and the east end of the Beartooth-Absaroka range.

West of the Divide, the Upper Clark Fork and Bitterroot remain about 65 percent average. Drainages downstream from Missoula on the Clark Fork and the Flathead river drainage have snow cover in their headwaters close to 80 percent average.

Streamflow for the next five months is forecast 70 to 90 percent for tributaries to the Missouri and 80 to 95 percent for streams in the upper Yellowstone drainage. The Big Horn river is still expected to produce only about one-half average flow.

Streamflow on tributaries to the Clark Fork above the Blackfoot and the Bitterroot will be 65 to 75 percent average. A little higher percentages are expected downstream on the Clark Fork and Flathead tributaries. The Kootenai and tributaries remain at about 90 percent average.

Shortages of late season irrigation supplies can be expected on small tributaries not having reservoir storage on the upper Missouri, upper Clark Fork and Bitterroot drainages.

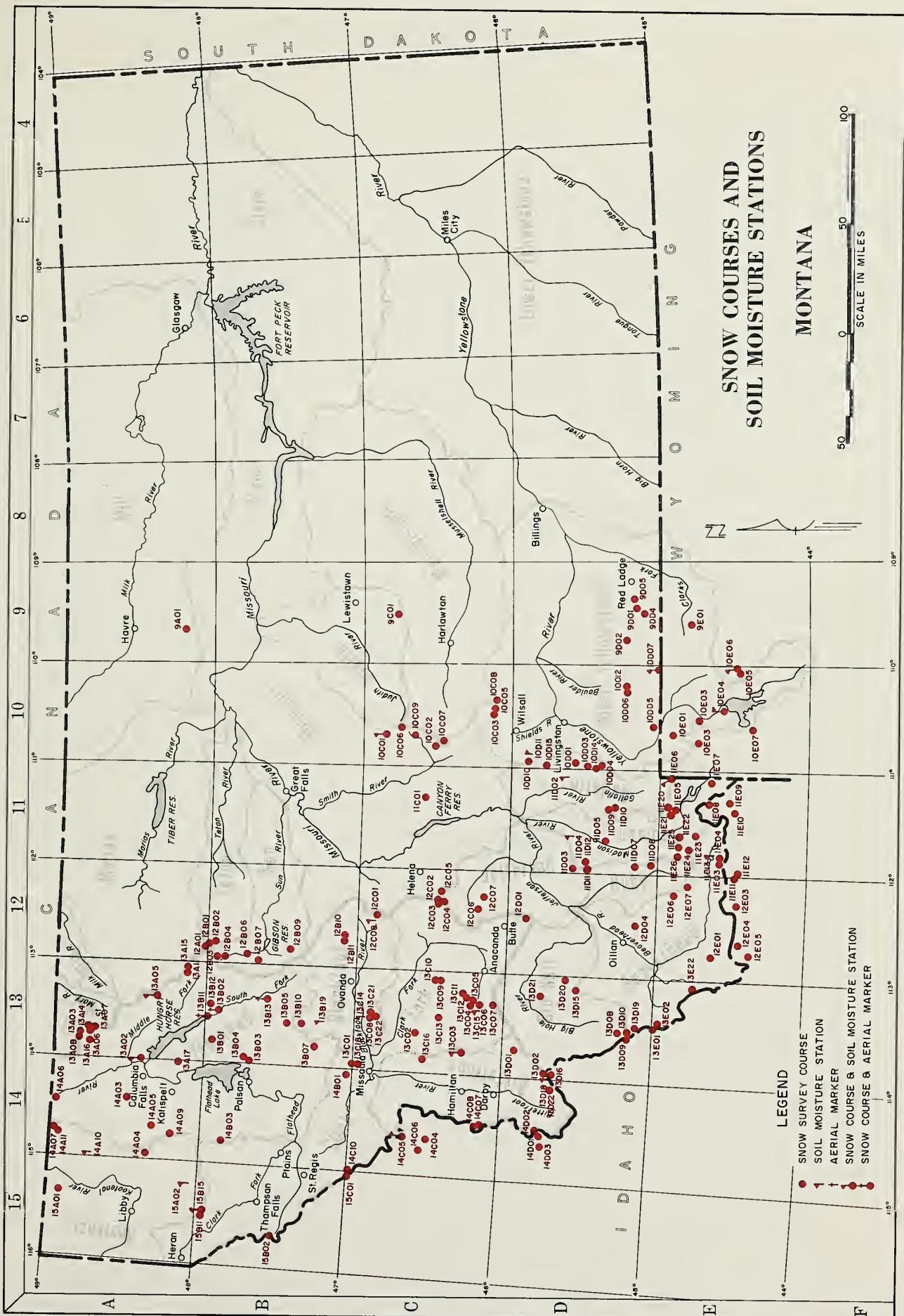
Soils at low elevations are drying, while those at median elevations are saturated. High elevation soils are nearing saturation as melt progresses.

Reservoir storage is generally above average and spring runoff should be adequate for most to fill.

SNOW COURSES AND SOIL MOISTURE STATIONS

MONTANA

SCALE IN MILES
0 50 100



INDEX to MONTANA SNOW COURSES and SOIL MOISTURE STATIONS

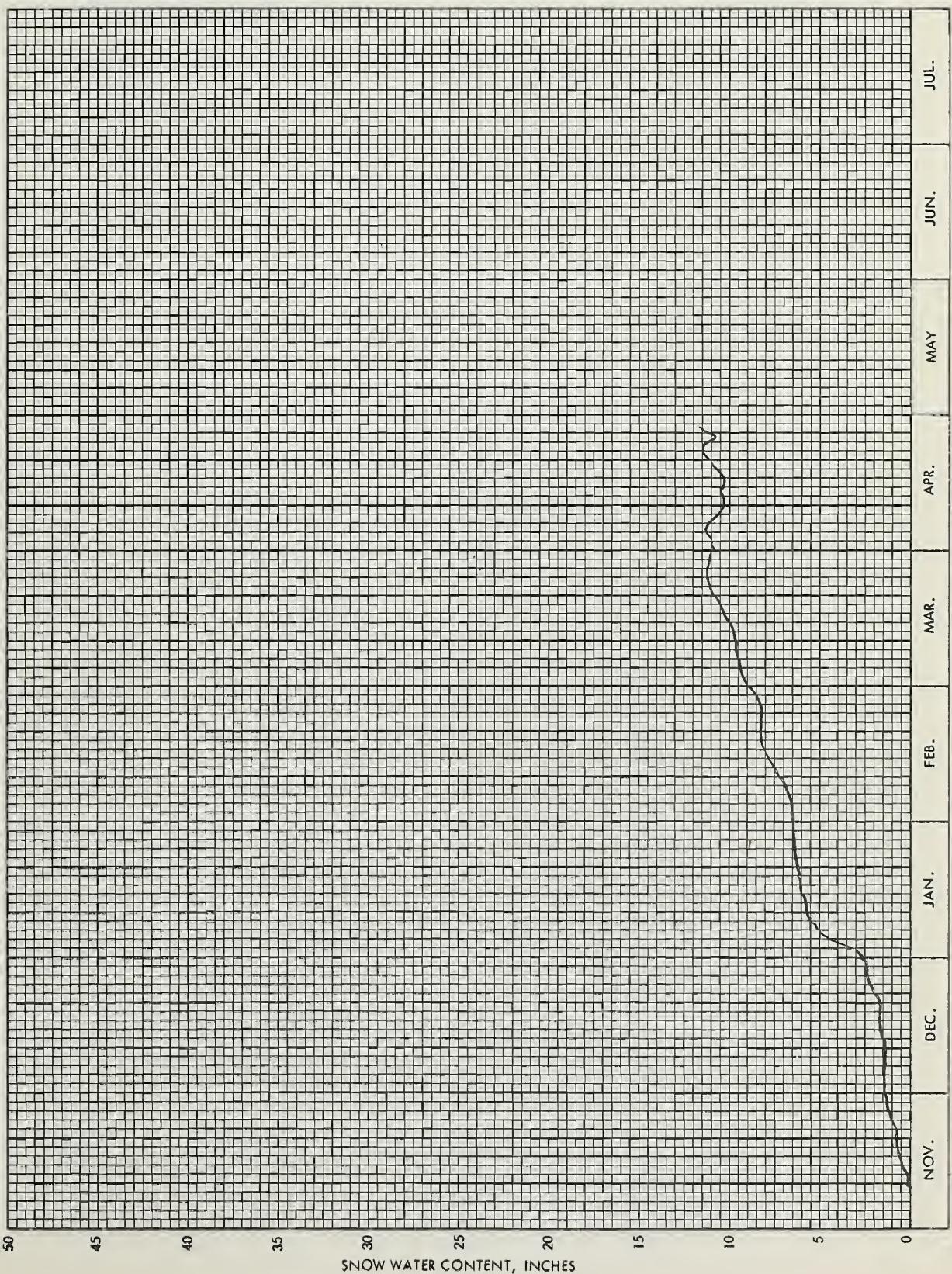
SNOW COURSES		COURSES		SOIL MOISTURE STATIONS	
Dreigang Basin & Course Name	Number	Elev.	Sec.	Record Began	Measuring Dates
COLUMBIA RIVER BASIN					
KOOTENAI RIVER	15811	5200	36	26N 31W	1956
Bitter Creek				3,4,5	
Blackfoot River				3,4,5	
Big Creek				3,4,5	
Gravel Creek				3,4,5	
Red Mountain				3,4,5	
Wallowa River	14007	5450	20	27N 24W	1957
FLATHEAD RIVER				3,4,5	
Bassoo Peak	14003	5150	11	24N 25W	1961
Bass Lake				3,4,5	
Bear Creek				3,4,5	
Cat Mountain				3,4,5	
Desert Mountain				3,4,5	
Fatty Creek				3,4,5	
Griffin Creek Divide				3,4,5	
Gunlight Gorge				3,4,5	
Hall Rock Ridge Divide				3,4,5	
Holbrook				3,4,5	
Klamath				3,4,5	
Lagom Creek				3,4,5	
Malheur Creek				3,4,5	
North Fork Jocko				3,4,5	
Spotted Bear Mountain				3,4,5	
Trinity Lake				3,4,5	
Upper Nez Perce				3,4,5	
Upper Nollard Lake	13005	3800	20	26N 15W	1948
CLARK FORK RIVER				3,4,5	
Black Pine	13023	7100	26	15N 15W	1957
Copper Creek				3,4,5	
Cotton Hill				3,4,5	
El Dorado Mine				3,4,5	
Fred Burr Pass				3,4,5	
Gold Creek Lake				3,4,5	
Heart Lake				3,4,5	
Nez Perce Creek				3,4,5	
Interseepage				3,4,5	
Lower Forest No. 3				3,4,5	
Lower Forest No. 4				3,4,5	
Lower Forest No. 6				3,4,5	
Rid Lion				3,4,5	
Skalkaho Summit				3,4,5	
Slate Rock Creek				3,4,5	
Southern Cross				3,4,5	
Spring Gulch				3,4,5	
Storm Lake				3,4,5	
Stuart Mountain				3,4,5	
Ty Reynolds				3,4,5	
BUTTERROOT RIVER				3,4,5	
Ashrose	13016	6480	28	9N 18W	1960
East Fork R. S.				3,4,5	
Gibson Pass				3,4,5	
Spring Creek				3,4,5	
Nez Perce Coup				3,4,5	
Saddle Mountain				3,4,5	
Todd Lakes				3,4,5	
Upper Lakes				3,4,5	
ST. MARY RIVER BASIN				3,4,5	
Icetops Lake No. 3	13043	5600	22	35N 17W	1922
Jeanville Lower No. 9	13011	4900	22	35N 16W	1955
Landau Lake No. 7	13007	5700	27	35N 16W	1922
Plainsmen No. 6	13006	5600	23	35N 16W	1952
Plainsmen No. 8	13048	5800	36	35N 17W	1957
White Pilo Ridge				3,4,5	
MISSOURI RIVER BASIN				3,4,5	
RUBY RIVER				3,4,5	
Clover Meadow				3,4,5	
Divide				3,4,5	
Roach				3,4,5	
BIG HOLE RIVER				3,4,5	
Abundance Lake				3,4,5	
Darkhorse Lake				3,4,5	
Foothills Lake				3,4,5	
Jaline Creek				3,4,5	
MISSOURI RIVER BASIN (continued)				3,4,5	
RUBY RIVER				3,4,5	
Clover Meadow	11008	8600	28	15N 18W	1963
Divide	12007	7900	18	15N 18W	1963
Roach	12006	8500	18	15N 18W	1963
BIG HOLE RIVER				3,4,5	
Abundance Lake	12020	8800	7	15N 18W	1963
Darkhorse Lake	12019	8600	4	15N 18W	1963
Foothills Lake	12021	8200	11	15N 18W	1963
Jaline Creek	12008	7340	25	15N 18W	1963
JEFFERSON RIVER				3,4,5	
Berry Meadow	12027	7200	10	5N 18W	1962
Marie Ground	12026	6500	10	5N 18W	1962
Pineknob Pass	12021	7200	10	5N 18W	1962
MADISON RIVER				3,4,5	
Call Road	11007	8050	21	15N 18W	1962
Frances Lake	11012	6900	6	15N 18W	1962
Present Mountain	11015	7200	6	15N 18W	1962
Rebel Mountain	11016	6500	26	15N 18W	1962
Rebel Mountain	11015	6500	26	15N 18W	1962
Rebel Mountain	11016	6500	27	15N 18W	1962
Rebel Mountain	11015	7500	13	15N 18W	1962
Jenk Creek	11022	6100	27	15N 18W	1962
Lake Creek	11011	7000	31	15N 18W	1962
Lover's Point	11023	6000	12	15N 18W	1962
Meridian Creek	11003	7500	34	15N 18W	1962
North Meadow	11003	7500	33	15N 18W	1962
Potlatch Park	11021	7300	33	15N 18W	1962
Sentinel Creek	11020	8000	17	15N 18W	1962
Tapestry Creek	11024	8000	15	15N 18W	1962
West Yellowstone	11007	6700	34	15N 18W	1962
GALLatin RIVER				3,4,5	
Arch Falls	10014	7250	3	5S 18W	1963
Bear Basin	11009	8150	9	5S 18W	1963
Brider Bowl	10015	7250	25	15N 18W	1963
King's Hill	10010	7000	23	15N 18W	1963
Stampede Pass	10008	6500	16	15N 18W	1963
Yellowstone River				3,4,5	
Bentle Ridge	10010	6200	32	2N 18W	1960
North East entrance	10009	7200	33	2N 18W	1960
MISSOURI RIVER MAIN STREAM					
Boulder Mountain	11001	7950	1	5N 18W	1963
Chassan Reservoir	12005	6200	23	12N 18W	1966
David's Slides	10004	8100	24	15N 18W	1966
Rod Meekow	10003	6600	22	15N 18W	1966
Glacier National Park	10002	7500	19	15N 18W	1966
Glacier National Park	10001	7500	20	15N 18W	1966
Rocky Boy	9401	5200	15	15N 18W	1962
Stampede Pass	12001	6600	16	15N 18W	1962
Ten Mile Lower	12022	6600	12	15N 18W	1962
Ten Mile Upper	12023	6800	19	15N 18W	1962
SUN-TETON-MARIA RIVERS				3,4,5	
Bald Ridge	10005	7950	11	4N 18W	1963
Clapp Spur	10006	8000	25	10N 18W	1963
Independence Creek	10005	8000	26	10N 18W	1963
Independence Creek	10006	8000	27	10N 18W	1963
Independence Creek	10007	8000	28	10N 18W	1963
Independence Creek	10008	8000	29	10N 18W	1963
Independence Creek	10009	8000	30	10N 18W	1963
Independence Creek	10010	8000	31	10N 18W	1963
Independence Creek	10011	8000	32	10N 18W	1963
Independence Creek	10012	8000	33	10N 18W	1963
Independence Creek	10013	8000	34	10N 18W	1963
Independence Creek	10014	8000	35	10N 18W	1963
Independence Creek	10015	8000	36	10N 18W	1963
Independence Creek	10016	8000	37	10N 18W	1963
Independence Creek	10017	8000	38	10N 18W	1963
Independence Creek	10018	8000	39	10N 18W	1963
Independence Creek	10019	8000	40	10N 18W	1963
Independence Creek	10020	8000	41	10N 18W	1963
Independence Creek	10021	8000	42	10N 18W	1963
Independence Creek	10022	8000	43	10N 18W	1963
Independence Creek	10023	8000	44	10N 18W	1963
Independence Creek	10024	8000	45	10N 18W	1963
Independence Creek	10025	8000	46	10N 18W	1963
Independence Creek	10026	8000	47	10N 18W	1963
Independence Creek	10027	8000	48	10N 18W	1963
Independence Creek	10028	8000	49	10N 18W	1963
Independence Creek	10029	8000	50	10N 18W	1963
Independence Creek	10030	8000	51	10N 18W	1963
Independence Creek	10031	8000	52	10N 18W	1963
Independence Creek	10032	8000	53	10N 18W	1963
Independence Creek	10033	8000	54	10N 18W	1963
Independence Creek	10034	8000	55	10N 18W	1963
Independence Creek	10035	8000	56	10N 18W	1963
Independence Creek	10036	8000	57	10N 18W	1963
Independence Creek	10037	8000	58	10N 18W	1963
Independence Creek	10038	8000	59	10N 18W	1963
Independence Creek	10039	8000	60	10N 18W	1963
Independence Creek	10040	8000	61	10N 18W	1963
Independence Creek	10041	8000	62	10N 18W	1963
Independence Creek	10042	8000	63	10N 18W	1963
Independence Creek	10043	8000	64	10N 18W	1963
Independence Creek	10044	8000	65	10N 18W	1963
Independence Creek	10045	8000	66	10N 18W	1963
Independence Creek	10046	8000	67	10N 18W	1963
Independence Creek	10047	8000	68	10N 18W	1963
Independence Creek	10048	8000	69	10N 18W	1963
Independence Creek	10049	8000	70	10N 18W	1963
Independence Creek	10050	8000	71	10N 18W	1963
Independence Creek	10051	8000	72	10N 18W	1963
Independence Creek	10052	8000	73	10N 18W	1963
Independence Creek	10053	8000	74	10N 18W	1963
Independence Creek	10054	8000	75	10N 18W	1963
Independence Creek	10055	8000	76	10N 18W	1963
Independence Creek	10056	8000	77	10N 18W	1963
Independence Creek	10057	8000	78	10N 18W	1963
Independence Creek	10058	8000	79	10N 18W	1963
Independence Creek	10059	8000	80	10N 18W	1963
Independence Creek	10060	8000	81	10N 18W	1963
Independence Creek	10061	8000	82	10N 18W	1963
Independence Creek	10062	8000	83	10N 18W	1963
Independence Creek	10063	8000	84	10N 18W	1963
Independence Creek	10064	8000	85	10N 18W	1963
Independence Creek	10065	8000	86	10N 18W	1963
Independence Creek	10066	8000	87	10N 18W	1963
Independence Creek	10067	8000	88	10N 18W	1963
Independence Creek	10068	8000	89	10N 18W	1963
Independence Creek	10069	8000	90	10N 18W	1963
Independence Creek	10070	8000	91	10N 18W	1963
Independence Creek	10071	8000	92	10N 18W	1963
Independence Creek	10072	8000	93	10N 18W	1963
Independence Creek	10073	8000	94	10N 18W	1963
Independence Creek	10074	8000	95	10N 18W	1963
Independence Creek	10075	8000	96	10N 18W	1963
Independence Creek	10076	8000	97	10N 18W	1963
Independence Creek	10077	8000	98	10N 18W	1963
Independence Creek	10078	8000	99	10N 18W	1963
Independence Creek	10079	8000	100	10N 18W	1963
Independence Creek	10080	8000	101	10N 18W	1963
Independence Creek	10081	8000	102	10N 18W	1963
Independence Creek	10082	8000	103	10N 18W	1963
Independence Creek	10083	8000	104	10N 18W	1963
Independence Creek	10084	8000	105	10N 18W	1963
Independence Creek	10085	8000	106	10N 18W	1963
Independence Creek	10086	8000	107	10N 18W	1963
Independence Creek	10087	8000	108	10N 18W	1963
Independence Creek	10088	8000	109	10N 18W	1963
Independence Creek	10089	8000	110	10N 18W	1963
Independence Creek	10090	8000	111	10N 18W	1963
Independence Creek	10091	8000	112	10N 18W	1963
Independence Creek	10092	8000	113	10N 18W	1963
Independence Creek	10093	8000	114	10N 18W	19

BLACK PINE
SNOW PILLOW DATA

AS OF May 1, 1966

Sec. 26 T. 8N R. 15W No. 13C13 Drainage: Columbia

Lat. 46-25 Long. 113-26 Elev. 7100 Clark Fork

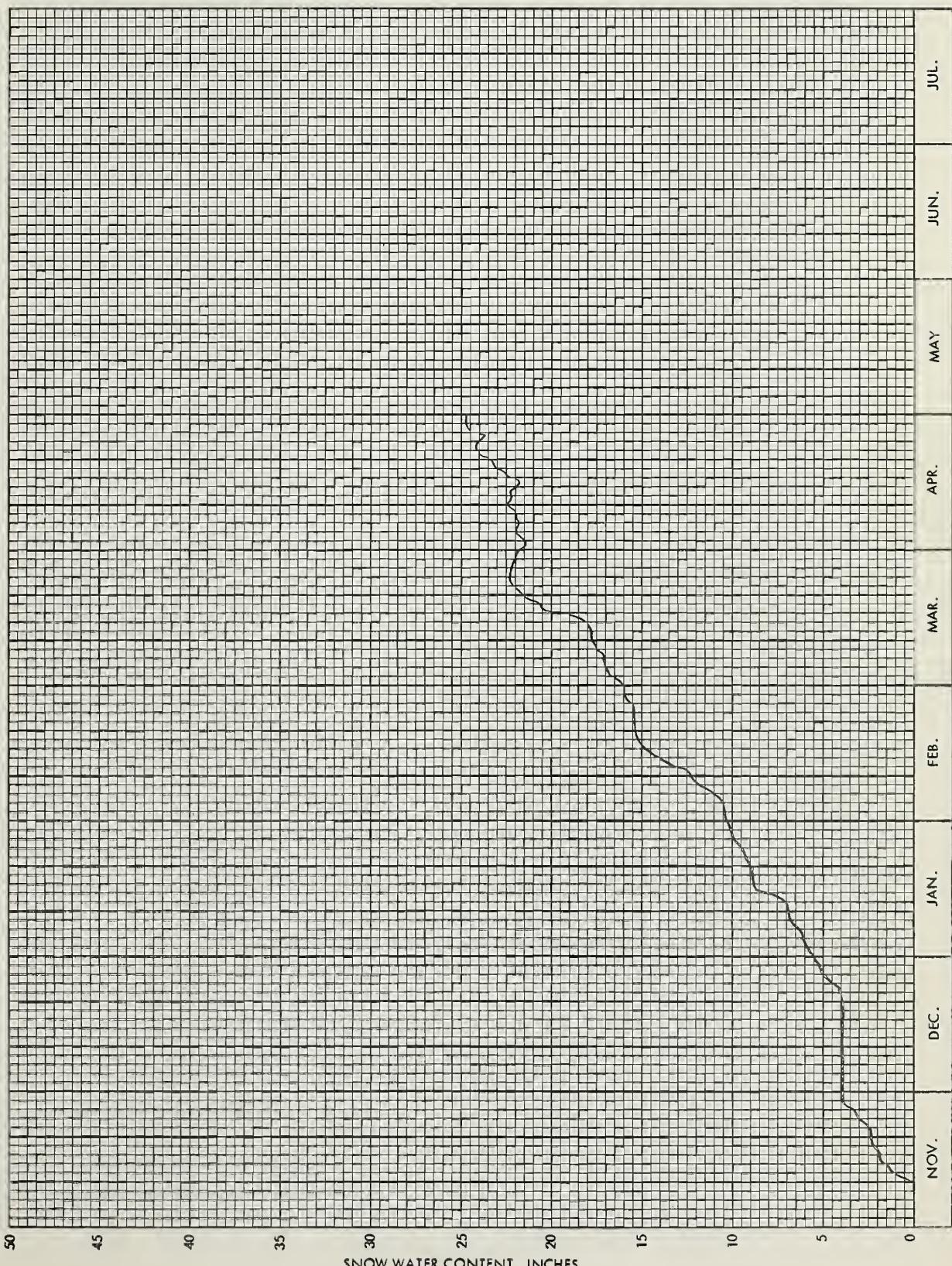


BRIDGER BOWL
SNOW PILLOW DATA

AS OF May 1, 1966

Sec. 25 T. 1N R. 6E No. 10D15 Drainage: Missouri

Lat. 45-48 Long. 110-55 Elev. 7250 Gallatin

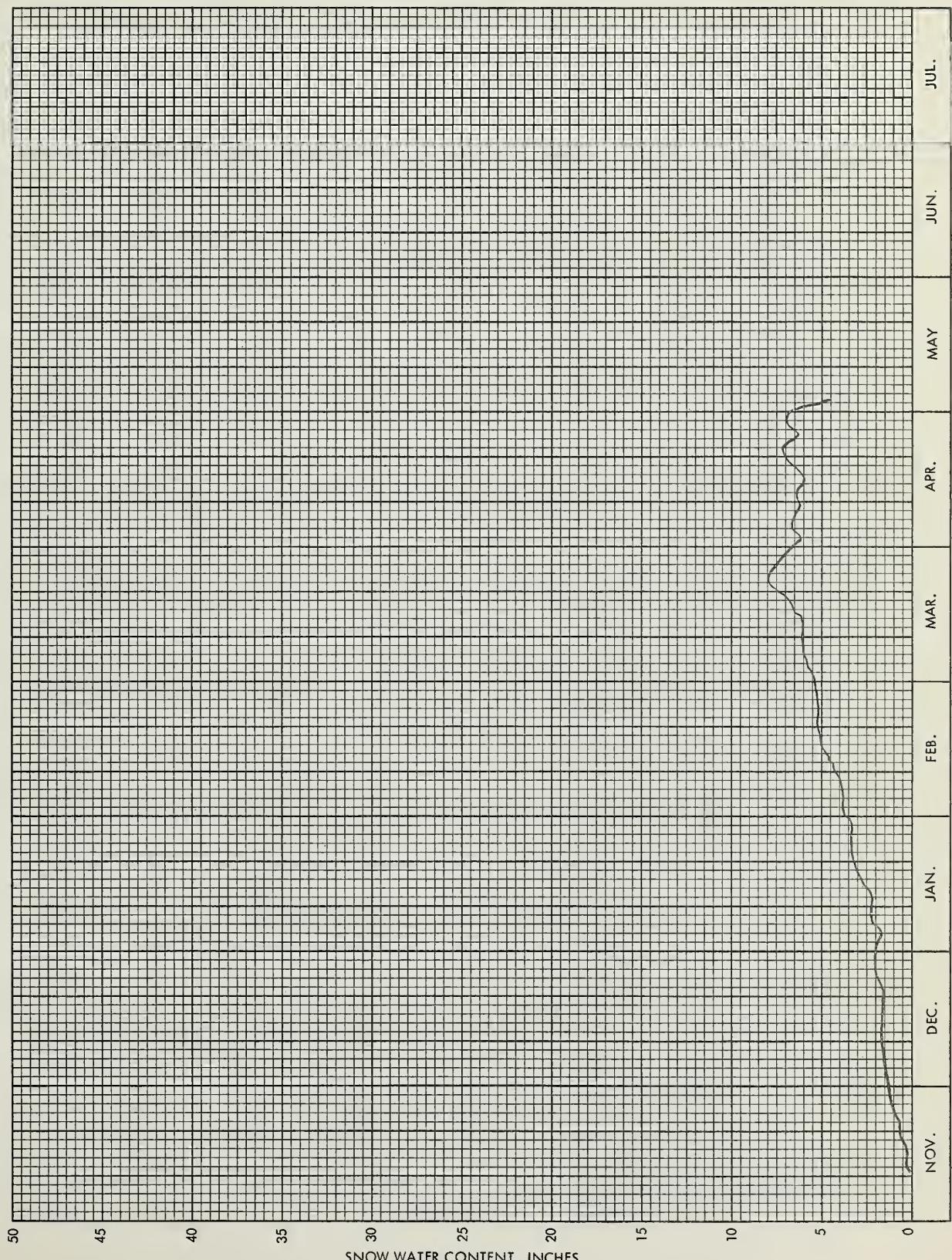


LICK CREEK
SNOW PILLOW DATA

AS OF May 1, 1966

Sec. 10 T. 4S R. 6E No. 10D13 Drainage: Missouri

Lat. 45-30 Long. 110-58 Elev. 6860 County: Gallatin



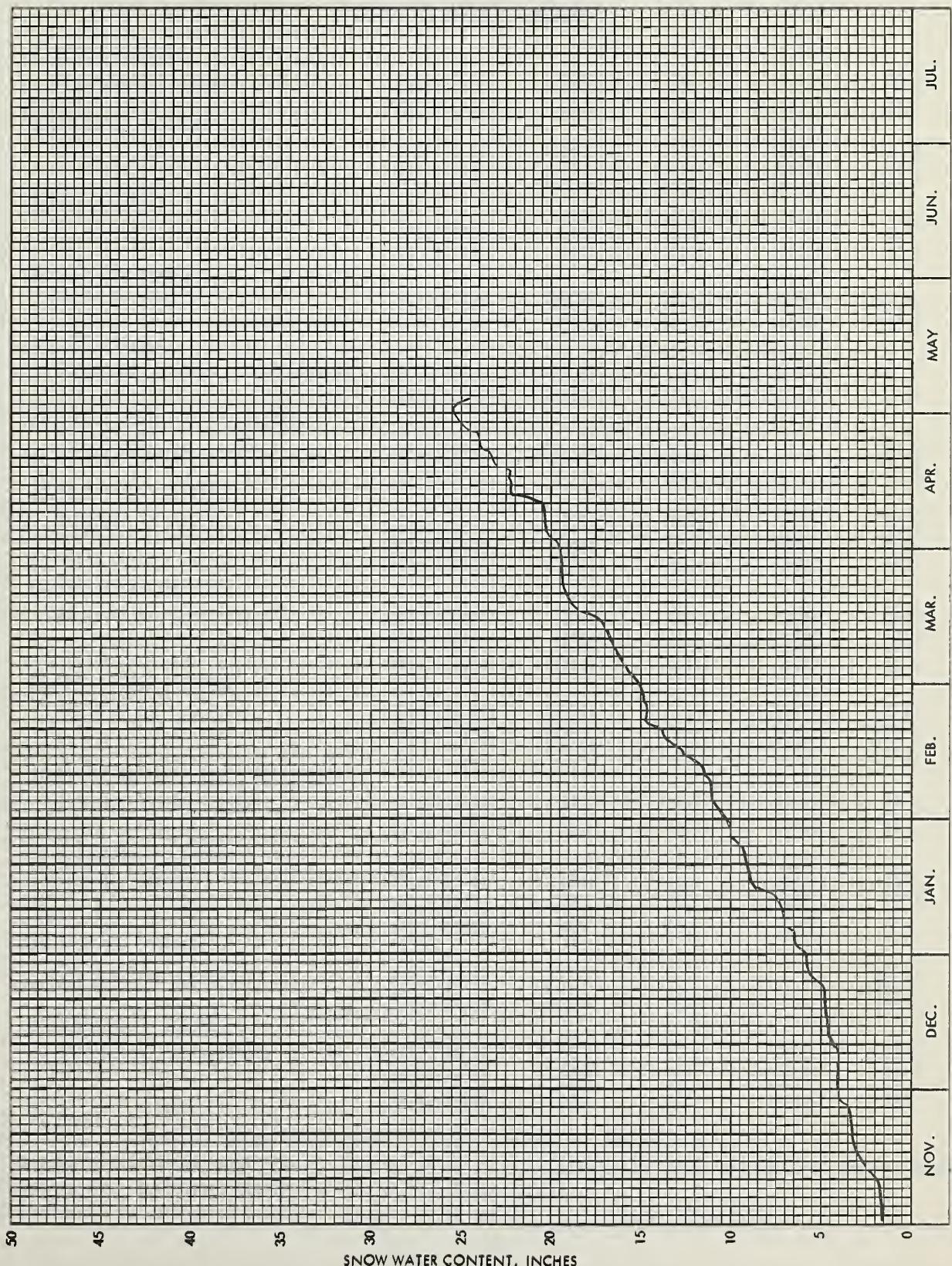
SNOW WATER CONTENT, INCHES

SHOWER FALLS
SNOW PILLOW DATA

AS OF May 1, 1966

Sec. 14 T. 5S R. 6E No. 10D16 Drainage: Missouri

Lat. 45-24 Long. 110-57 Elev. 8100 Gallatin



SNOW WATER CONTENT, INCHES

WATER SUPPLY FORECASTS

AS OF MAY 1, 1966

(1000 Acre Feet)

NO.	RIVER AND FORECAST POINT	FORECAST	FORECAST	PERCENT	MEASURED FLOW	
		PERIOD	THIS YEAR	AVERAGE	LAST YEAR*	AVERAGE
<u>COLUMBIA RIVER BASIN</u>						
	FISHER RIVER					
3020	Jennings (near)	May-Sept	210	94	223	
		May-July	194	94	206	
	KOOTENAI RIVER					
3030	Libby (at)	May-Sept	7520	101	7284	7428
		May-July	6400	101	6138	6342
	YAAK RIVER					
3045	Troy (near)	May-Sept	410	94	448	435
		May-July	390	94	419	413
	KOOTENAI RIVER					
3050	Leonia (at)	May-Sept	8500	101	8094	8416
		May-July	7350	101	6900	7268
	FLINT CREEK					
3301	Boulder Creek (below)(3)	May-Sept	46.0	72	95.8	64.1
		May-July	36.0	72	73.2	50.2
	MIDDLE FORK ROCK CREEK					
3320	Philipsburg (near)	May-Sept	54.0	73	73.6	
		May-July	48.6	73	66.3	
	BLACKFOOT RIVER					
3400	Bonner (near)	May-Sept	730	80	1181	914
		May-July	650	80	1046	816
		May-June	550	80	881	690
	CLARK FORK RIVER					
3404	Milltown (above)(4)	May-Sept	450	65	969	686
		May-July	382	65	797	589
		May-June	318	65	650	490
	CLARK FORK RIVER					
3405	Missoula (above)	May-Sept	1180	73	2150	1600
		May-July	1032	73	1843	1405
		May-June	868	73	1531	1180
	WEST FORK BITTERROOT RIVER					
3425	Conner (near)(5)	May-Sept	121	77	195	157
		May-July	112	77	176	146
	BITTERROOT RIVER					
3440	Darby (near)	May-Sept	385	74	647	518
		May-July	355	74	584	478
		May-June	307	74	501	414
	BLODGETT CREEK					
3475	Corvallis (near)	May-Sept	32.5	81	39.9	
		May-July	30.7	81	37.9	
	BITTERROOT RIVER					
3528	Missoula (at)(6)	May-Sept	980	71	1724	1384
		May-July	900	71	1496	1277
		May-June	770	71	1246	1084

(3) Sum, Flint Creek at Maxville and Boulder Creek at Maxville.

(4) Difference in observed flow, Clark Fork above Missoula and Blackfoot near Bonner.

(5) Adjusted for storage in Painted Rocks Reservoir.

(6) Difference in observed flow, Clark Fork above and below Missoula.

WATER SUPPLY FORECASTS

AS OF MAY 1, 1966

(1000 Acre Feet)

NO.	RIVER AND FORECAST POINT	FORECAST	FORECAST	PERCENT AVERAGE	MEASURED FLOW	
		PERIOD	THIS YEAR		LAST YEAR*	AVERAGE
3530	CLARK FORK RIVER Missoula (below)	May-Sept May-July May-June	2160 1932 1638	72 72 72	3874 3339 2777	2984 2681 2263
3545	CLARK FORK RIVER St. Regis (at)	May-Sept May-July May-June	3000 2700 2280	74 74 74	5104 4426 3708	4036 3624 3066
3555	NORTH FORK FLATHEAD RIVER Columbia Falls (near)	May-Sept May-July May-June	1650 1480 1230	90 90 90	2017 1804 1496	1833 1650 1371
3585	MIDDLE FORK FLATHEAD RIVER West Glacier (near)	May-Sept May-July May-June	1510 1380 1160	87 87 87	1933 1744 1446	1736 1598 1334
3625	SOUTH FORK FLATHEAD RIVER Columbia Falls (near)(7)	May-Sept May-July May-June	1840 1730 1490	87 87 87	2456 2215 1895	2103 1985 1710
3630	FLATHEAD RIVER Columbia Falls (at)(7)	May-Sept May-July May-June	5100 4730 3960	88 88 88	6586 5898 4922	5820 5351 4507
3700	SWAN RIVER Big Fork (near)	May-Sept May-July May-June	480 418 328	80 80 80	708 584 459	599 520 408
3720	FLATHEAD RIVER Polson (near)(8)	May-Sept May-July May-June	6000 5550 4650	87 87 87	8067 7183 5993	6914 6365 5324
3890	CLARK FORK RIVER Plains (near)(8)	May-Sept May-July May-June	9200 8400 7000	82 82 82	13546 11885 9932	11286 10230 8570
3895	THOMPSON RIVER Thompson Falls (near)	May-Sept May-July	200 177	80 80	242 209	249 220
3907	PROSPECT CREEK Thompson Falls (at)	May-Sept May-July	95.0 87.6	75 75	113 103	127 117
3920	CLARK FORK RIVER Whitehorse Rapids (at)(9)	May-Sept May-July May-June	10350 9350 7800	82 82 82	14845 12951 10775	12580 11369 9499

(7) Adjusted for storage in Hungry Horse Reservoir.

(8) Adjusted for storage in Hungry Horse Reservoir and Flathead Lake.

(9) Adjusted for storage in Hungry Horse, Flathead Lake and Noxon Rapids Reservoirs.

WATER SUPPLY FORECASTS

AS OF MAY 1, 1966

(1000 Acre Feet)

NO.	RIVER AND FORECAST POINT	FORECAST	FORECAST	PERCENT AVERAGE	MEASURED FLOW	
		PERIOD	THIS YEAR		LAST YEAR*	AVERAGE

MISSOURI RIVER BASIN

	RED ROCK RIVER					
0110	Kennedy Ranch (at)	May-Sept	45.8	92	73.8	49.8
		May-July	40.7	92	61.6	44.3
	RED ROCK RIVER					
0125	Monida (near)(11)	May-Sept	49.0	89	97.8	54.9
		May-July	45.0	89	87.0	50.2
	BIG HOLE RIVER					
0255	Melrose (near)	May-Sept	500	80	1046	625
		May-July	460	80	934	576
	BOULDER RIVER					
0330	Boulder (near)	May-Sept	53.3	80	127	66.4
		May-July	50.7	80	115	63.2
	JEFFERSON RIVER					
0345	Sappington (at)(12)	May-Sept	632	77	1516	824
		May-July	556	77	1285	725
	MADISON RIVER					
0375	West Yellowstone (near)	May-Sept	169	94	239	179
		May-July	121	94	173	129
	MADISON RIVER					
0385	Grayling (near)(13)	May-Sept	335	92	520	364
		May-July	252	92	400	274
	MADISON RIVER					
0410	McAllister (near)(14)	May-Sept	544	87	914	623
		May-July	420	87	717	481
	GALLATIN RIVER					
0435	Gateway (near)	May-Sept	340	81	620	418
		May-July	287	81	523	353
	BRIDGER CREEK					
0485	Bozeman (near)	May-Sept	14.5	88	25.2	16.5
		May-July	13.4	88	22.8	15.3
	HYALITE CREEK					
0500	Bozeman (near)(15)	May-Sept	30.0	92	50.9	32.6
		May-July	25.6	92	43.4	27.8
	GALLATIN RIVER					
0525	Logan (at)	May-Sept	285	71	672	400
		May-July	235	71	552	330

(11) Adjusted for storage in Lima Reservoir.

(12) Adjusted for storage in Clark Canyon Reservoir.

(13) Adjusted for storage in Hebgen Lake.

(14) Adjusted for storage in Hebgen and Ennis Lakes.

(15) Adjusted for storage in Middle Creek Reservoir.

WATER SUPPLY FORECASTS

AS OF MAY 1, 1966

NO.	RIVER AND FORECAST POINT	FORECAST PERIOD	FORECAST THIS YEAR	PERCENT AVERAGE	(1000 Acre Feet)	
					MEASURED FLOW	LAST YEAR* AVERAGE
	MISSOURI RIVER					
0545	Toston (at)(16)	May-Sept	1350	74	3015	1816
		May-July	1140	74	2494	1530
	PRICKLY PEAR CREEK					
0615	Clancy (near)	May-Sept	15.6	82	32.3	19.0
		May-July	13.3	82	25.1	16.2
	SHEEP CREEK					
0770	White Sul. Spgs. (near)	May-Sept	13.0	84	31.0	15.4
		May-July	11.1	84	26.4	13.2
	SUN RIVER					
0786	Gibson Dam (at)(17)	May-Sept	505	88	676	573
		May-July	460	88	606	522
	MISSOURI RIVER					
0908	Fort Benton (at)(18)	May-Sept	2100	73	4717	2861
		May-July	1730	73	3861	2367
	TWO MEDICINE CREEK					
0920	Browning (near)(19)	May-Sept	205	85		241
		May-July	194	85		229
	BADGER CREEK					
0925	Browning (near)	May-Sept	113	86		132
		May-July	96	86		112
	CUT BANK CREEK					
0990	Cut Bank (at)	May-Sept	90.0	74	124	121
		May-July	81.0	74	109	109
	MARIAS RIVER					
0995	Shelby (near)(20)	May-Sept	480	85	629	564
		May-July	448	85	584	530
	MISSOURI RIVER					
1095	Virgelle (at)(21)	May-Sept	2640	74	5489	3557
		May-July	2220	74	4547	2999
	JUDITH RIVER					
1100	Utica (near)	May-Sept	28.0	86	71.3	32.7
		May-July	25.9	86	65.6	30.2
	MISSOURI RIVER					
1150	Zortman (near)(21)	May-Sept	2900	75	6060	3885
		May-July	2430	75	5018	3254
	NORTH FORK MUSSELSHELL R.					
1155	Delpine (near)	May-Sept	3.8	76	8.2	5.0
		May-July	3.0	75	6.5	4.0
	SOUTH FORK MUSSELSHELL R.					
1185	Martinsdale (above)	May-Sept	35.0	82	64.6	42.8
		May-July	34.0	82	55.6	40.7

(16) Adjusted for storage in Hebgen and Ennis Lakes and Clark Canyon Reservoir.

(17) Adjusted for storage in Gibson Reservoir and diversions.

(18) Adjusted for storage in Canyon Ferry Reservoir.

(19) Adjusted for storage in Two Medicine Res. & diversions into Two Medicine Canal.

(20) Adjusted for storage in Two Medicine, Four Horns, Lake Frances & Swift Res.

(21) Adjusted for storage in Canyon Ferry and Tiber Reservoirs.

WATER SUPPLY FORECASTS

AS OF MAY 1, 1966

(1000 Acre Feet)

NO.	RIVER AND FORECAST POINT	FORECAST PERIOD	FORECAST	PERCENT AVERAGE	MEASURED FLOW	
			THIS YEAR		LAST YEAR*	AVERAGE
MISSOURI RIVER						
1320	Ft. Peck Dam (below) (22)	May-Sept May-July	2600 2240	70 70	5197 6147	3728 3200
MILK RIVER						
1350	Eastern Crossing (at)	May-Sept	185	90	231	206
MISSOURI RIVER						
1770	Wolf Point (near) (22)	May-Sept May-July	2720 2330	69 69	6735 5758	3942 3380
MISSOURI RIVER						
3300	Williston, N.D.(nr) (29)	May-Sept May-July	6230 5430	67 67	16400 13850	9299 8068

SASKATCHEWAN RIVER BASIN

ST. MARY RIVER	
0175	Babb (near) (30)

May-Sept	435	93	469
May-July	373	93	401

- (22) Adjusted for storage in Canyon Ferry, Tiber and Fort Peck Reservoirs.
 (29) Adjusted for storage in Canyon Ferry, Tiber, Fort Peck, Buffalo Bill, Boysen and Yellowtail Reservoirs.
 (30) Adjusted for storage in Lake Sherburne.

WATER SUPPLY FORECASTS

AS OF MAY 1, 1966

(1000 Acre Feet)

NO.	RIVER AND FORECAST POINT	FORECAST	FORECAST	PERCENT AVERAGE	MEASURED FLOW	
		PERIOD	THIS YEAR		LAST YEAR*	AVERAGE

YELLOWSTONE RIVER BASIN

	YELLOWSTONE RIVER					
1915	Corwin Springs (at)	May-Sept	1700	95	2474	1792
		May-July	1410	95	1998	1487
	YELLOWSTONE RIVER					
1925	Livingston (near)	May-Sept	1810	90	2865	2019
		May-July	1490	90	2326	1662
	SHIELDS RIVER					
1935	Clyde Park (at)	May-Sept	74.0	90	132	82.1
		May-July	68.0	90	116	75.3
	BOULDER RIVER					
2000	Big Timber (at)	May-Sept	256	78	472	330
		May-July	240	78	415	309
	STILLWATER RIVER					
2050	Absarokee (near) (25)	May-Sept	425	80	642	531
		May-July	356	80	513	444
	CLARKS FORK RIVER					
2075	Chance (at)	May-Sept	480	86	736	560
		May-July	432	86	641	504
	CLARKS FORK RIVER					
2085	Edgar (at)	May-Sept	500	86	774	578
		May-July	435	86	649	507
	ROCK CREEK					
2095	Red Lodge (near)	May-Sept	81.0	80	138	101
		May-July	62.0	80	105	77.2
	YELLOWSTONE RIVER					
2145	Billings (at)	May-Sept	3000	82	5266	3675
		May-July	2550	82	4277	3124
	BIG HORN RIVER					
2870	St. Xavier (near) (26)	May-Sept	780	51	2923	1532
		May-July	725	51	2519	1422
	YELLOWSTONE RIVER					
3090	Miles City (at) (27)	May-Sept	3700	70	8308	5307
		May-July	3220	70	6876	4609
	YELLOWSTONE RIVER					
3295	Sidney (near) (27)	May-Sept	3400	65	9280	5245
		May-July	3000	65	7779	4625

(25) Adjusted for storage in Mystic Lake.

(26) Adjusted for storage in Buffalo Bill, Boysen, Bull Lake and Yellowtail Reservoirs.

(27) Adjusted for storage in Buffalo Bill, Boysen and Yellowtail Reservoirs.

SNOW SURVEY DATA

AS OF MAY 1, 1966

(inches)

NO.	SNOW COURSE NAME	ELEVATION	CURRENT DATA			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH	WATER CONTENT	WATER CONTENT LAST YEAR	AVERAGE

COLUMBIA RIVER BASIN

KOOTENAI RIVER

15B11	Baree Creek	5500	5/2	77	39.4	46.2	49.1
15B16	Baree Midway	4600	5/2	52	24.8	-	-
15B15	Baree Trail	3800	5/2	0	0.0	0.0	-
14A04	Brush Creek	5000	4/27	19	7.2	10.2	10.7*
BC 10	Fernie	3500	4/29	1	0.3	3.2	2.8
BC 12A	Field	4200	4/28	0	0.0	0.0	0.6*
BC 11	Glacier	4100	4/27	72	31.6	22.6	25.9
14A11	Graves Creek	4300	4/28	31	12.8	16.9	-
BC 43	Gray Creek	5100	4/30	56	21.7	21.9	20.2
BC 33	Kicking Horse	5400	4/29	38	14.0	14.6	12.2
BC 20B	Kimberley	3800	5/1	0	0.0	0.0	1.2*
BC 32	Marble Canyon	5000	4/30	22	8.2	11.2	13.4
BC 10B	Morrissey Ridge	6100				28.8	-
BC 10A	New Fernie	4100				9.3	6.0*
15A01	Red Mountain	6000	4/29	47	19.6	21.9	20.9
BC 8A	Sinclair Pass	4500	4/30	7	1.6	0.0	2.2*
BC 20A	Sullivan Mine	5100	4/29	34	13.0	11.0	12.5
BC 41	Upper Elk River	4400	4/29	0	0.0	3.0	2.5*
14A07	Weasel Divide	5450	4/28	65	29.6	38.2	35.7*

FLATHEAD RIVER

14B03	Bassco Peak	5150	4/25	17	7.8	7.4	9.7*
13A11	Beaver Lake	5900	5/2	44	20.2	31.8	-
13B03	Big Creek	6750	4/27	91	39.6	59.8	50.5*
13A17	Camp Misery	6400	4/26	93	41.0	65.8	52.0*
13A02	Desert Mountain	5600	4/26	23	10.3	20.6	14.6
13B04	Fatty Creek	5500	4/27	45	19.0	26.1	22.5*
14A09	Griffin Creek Divide	5150	4/26	10	3.8	7.5	9.8*
13B12	Gunsight Lake	6300	4/29	85	41.6	50.8	-
14A03	Hell Roaring Divide	5770	4/28	58	29.4	37.5	31.5
13B13	Holbrook	4530	4/29	0	0.0	0.0	1.4*
14A05	Logan Creek	4300	4/27	0	0.0	1.6	3.4*
13A05	Marias Pass	5250	4/26	31	14.0	28.0	18.0
13A16	Mineral Creek	4000	4/30	24	9.4	17.5	-
13B07	North Fork Jocko	6330	4/28	79	36.2	55.0	48.0*
13B02	Spotted Bear Mountain	7000	4/29	19	9.2	14.6	12.4*
13B01	Trinkus Lake	6100	4/29	84	41.4	54.4	45.4*
13B11	Twin Creeks	3580	4/29	0	0.0	0.0	1.4*
13B05	Upper Holland Lake	7000	4/29	71	34.8	45.5	39.0*

NOTE: ALL AVERAGES BASED ON 1948-1962 (15 YEAR PERIOD). *ADJUSTED AVERAGE

SNOW SURVEY DATA

AS OF MAY 1, 1966

(inches)

SNOW COURSE			CURRENT DATA			PAST RECORD	
NO.	NAME	ELEVATION	DATE OF SURVEY	SNOW DEPTH	WATER CONTENT	WATER CONTENT LAST YEAR	AVERAGE

CLARK FORK RIVER

13C13	Black Pine	7100	4/27	33	10.8	20.2	11.8*
13C13	Black Pine Pillow	7100	4/27	SP	11.8	-	-
12B10	Copper Creek	5700	4/25	11	4.8	15.6	-
12B11	Cotter Mine	6250	4/25	28	11.8	22.8	-
13B10	Coyote Hill	4200	4/28	1	0.4	5.0	2.3
13C11	Fred Burr Pass	8000	4/28	59	20.9	41.3	32.5*
14C10	Heart Lake Trail	4800	4/26	35	14.0	16.6	-
15C01	Hoodoo Creek	5900	4/26	88	41.2	56.6	50.2*
13C04	Intergaard	6450	5/2	6	2.0	8.4	-
15B02	Lookout	5250	4/29	66	30.0	36.6	36.4
13C21	Lubrecht Forest No. 3	5450				3.4	3.6*
13C22	Lubrecht Forest No. 4	4650				0.0	0.6*
13C08	Lubrecht Forest No. 6	4040				0.0	0.1*
13C12	Red Lion	7100	4/28	35	11.6	26.2	19.6*
13C03	Skalkaho Summit	7260	4/27	52	19.5	38.4	26.7*
13C02	Slide Rock Mountain	7100	4/26	33	12.8	22.3	14.7*
13C18	Spring Gulch	6000	4/30	0	0.0	3.0	3.1*
13C07	Storm Lake	7780	4/28	36	11.2	20.8	17.0*
13C01	Stuart Mountain	7400	4/30	65	28.6	38.4	30.4*
14B01	TV Mountain	6800	5/1	41	17.6	23.2	20.3*

BITTERROOT RIVER

13C16	Ambrose	6480	4/26	21	8.0	15.4	11.0*
13D02	Gibbons Pass	7100	4/28	30	12.8	29.2	23.1
14C05	Lolo Pass	5230	4/27	44	20.3	34.8	31.8*
14C07	Lost Horse	5940	4/29	47	19.0	37.3	34.1*
14D02	Nez Perce Camp	5680	4/27	17	4.2	15.7	9.7
14D01	Nez Perce Pass	6570	4/27	24	6.0	19.8	13.3
13D22	Saddle Mountain	7940	4/28	47	18.4	33.3	-
14C04	Savage Pass	6600	4/26	49	21.2	-	-
14C08	Twin Lakes	6510	4/29	68	29.4	52.2	46.6*

SP - Snow Pillow Observation - Water Content only.

NOTE: ALL AVERAGES BASED ON 1948-1962 (15 YEAR PERIOD). *ADJUSTED AVERAGE

SNOW SURVEY DATA

AS OF MAY 1, 1966

(Inches)

SNOW COURSE			CURRENT DATA			PAST RECORD	
NO.	NAME	ELEVATION	DATE OF SURVEY	SNOW DEPTH	WATER CONTENT	WATER CONTENT LAST YEAR	AVERAGE

MISSOURI RIVER BASIN

BEAVERHEAD RIVER

13B10	Bloody Dick	7600	4/25	13	4.6	15.2	-
13E22	Dad Creek Lake	8400	5/2	35	12.0	23.2	-
13D15	Elk Horn Springs	7800	4/28	16	4.9	15.1	8.4*
13D09	Gold Stone	8100	4/25	28	9.9	22.7	-
11E04	Lakeview Canyon	6930	4/27	26	9.7	19.2	9.5*
11E03	Lakeview Ridge	7400	4/27	21	7.6	16.7	7.3*
12E01	White Pine Ridge	8850	5/2	0	0.0	7.0	-

RUBY RIVER

11D08	Clover Meadow	8600	5/2	45	17.0	24.0	-
12E07	Divide	7900	5/2	18	6.4	14.7	-
12E06	Notch	8500	5/2	43	16.6	21.2	-

BIG HOLE RIVER

13D20	Abundance Lake	8800	5/2	38	14.8	32.2	-
13D19	Darkhorse Lake	8600	5/2	47	19.2	41.0	-
13D21	Foolhen	8280	5/2	30	11.7	27.3	-
13D08	Jahnke Creek	7340	4/25	6	1.8	10.0	-

JEFFERSON RIVER

12C07	Berry Meadow	7300	4/28	17	5.1	9.1	6.7*
12C09	Copper Mountain	7700	5/2	18	5.9	-	-
12D01	Pipestone Pass	7200	4/26	9	1.9	4.9	4.4*

MADISON RIVER

11E09	Big Springs	6500	4/29	21	9.2	21.0	-
11D07	Call Road	8050	5/2	32	11.1	15.9	-
11D12	Four Mile	6900	4/27	16	4.3	10.6	-
11E25	Freezeout Lake	7200	5/3	2	0.8	5.2	-
11E26	Freezeout Mountain	8250	5/3	31	12.2	24.4	-
11E05	Hebgen Dam	6550	4/29	3	1.0	10.8	4.8
11E10	Island Park	6315	4/29	9	2.9	11.9	-
11D05	Jack Creek	7500	4/26	3	0.4	-	-
11E22	Lake Creek	6100	5/3	0	0.0	1.3	-
11D11	Lower Twin	7900	4/27	56	19.4	31.2	-
11E23	Meridian Creek	7000	5/3	12	3.7	10.0	-
11D03	North Meadow	7500	4/27	30	8.4	-	-

NOTE: ALL AVERAGES BASED ON 1948-1962 (15 YEAR PERIOD). *ADJUSTED AVERAGE

SNOW SURVEY DATA

AS OF MAY 1, 1966

SNOW COURSE			CURRENT DATA			PAST RECORD	
NO.	NAME	ELEVATION	DATE OF SURVEY	SNOW DEPTH	WATER CONTENT	WATER CONTENT	(inches)
						LAST YEAR	AVERAGE

MADISON RIVER (continued)

10E02	Norris Basin	7500	5/3	0	0.0	10.1	5.5*
11E21	Potomageton Park	7150	4/27	14	4.9	17.4	-
11E20	Sentinel Creek	8300	4/27	52	18.3	37.2	-
11E24	Tepee Creek	8000	5/3	37	11.5	21.2	-
11E27	Upper West Fork	8750	5/2	30	11.6	-	-
11E08	Valley View	6500	4/29	20	7.8	18.6	-
11E07	West Yellowstone	6700	4/30	4	1.4	11.5	5.6

GALLATIN RIVER

10D14	Arch Falls	7350	4/30	34	11.6	16.8	12.0*
11D09	Bear Basin	8150	4/28	47	17.2	27.9	22.6*
10D15	Bridger Bowl Pillow	7250	4/30	SP	24.8	34.0	-
10D04	Devil's Slide	8100	4/30	63	22.2	32.0	24.9
10D03	Hood Meadow	6600	4/30	14	5.2	10.0	6.6
10D13	Lick Creek Pillow	6860	4/27	SP	6.8	9.4	-
11D10	Little Park	7400	4/28	38	13.0	19.0	16.0*
10D16	Shower Falls Pillow	8100	4/30	SP	25.4	-	-
11E06	Twenty-One Mile	7150	4/30	33	12.8	24.8	14.9

MISSOURI RIVER (Main Stem)

11C01	Boulder Mountain	7950	4/26	57	18.0	23.4	16.1*
12C05	Chessman Reservoir	6200	4/27	9	0.6	2.2	2.9
10C09	Deadman Creek	6450	4/28	16	5.6	-	-
10C07	Elk Peak	8000	4/27	51	17.2	26.8	16.5*
10C02	Grasshopper	7000	4/27	12	4.2	7.4	-
10C01	Kings Hill	7500	4/28	42	12.4	18.4	13.8
12C01	Stemple Pass	6600	4/27	25	7.5	14.2	9.8
12C02	Ten Mile Lower	6600	4/27	8	1.8	6.8	4.1
12C03	Ten Mile Middle	6800	4/26	26	7.7	15.0	9.9
12C04	Ten Mile Upper	8000	4/26	32	10.1	21.0	14.2

SUN-TETON-MARIAS RIVERS

13A15	Badger Pass	6900	5/2	75	37.1	49.8	-
12B06	Cabin Creek	5200	5/2	0	0.0	0.0	-
12B09	Five-Bull	5700	4/29	4	0.5	9.0	-
12A01	Freight Creek	6000	4/28	33	11.8	23.6	-
12B07	Goat Mountain	7000	4/30	29	9.2	15.9	10.3*
12B01	West Fork	6000	4/28	21	7.4	23.2	-
12B04	Wrong Creek	5700	5/2	17	9.1	14.1	-
12B03	Wrong Ridge	6800	5/2	37	18.3	30.9	-

SP - Snow Pillow Observation - Water Content only.

NOTE: ALL AVERAGES BASED ON 1948-1962 (15 YEAR PERIOD). *ADJUSTED AVERAGE

SNOW SURVEY DATA

AS OF MAY 1, 1966

(Inches)

SNOW COURSE			DATE OF SURVEY	CURRENT DATA		PAST RECORD	
NO.	NAME	ELEVATION		SNOW DEPTH	WATER CONTENT	WATER CONTENT	LAST YEAR
							AVERAGE

JUDITH RIVER

9C02	Avalanche	7100	4/29	64	21.7	-	-
9C01	Crystal Lake	6100	4/29	27	9.2	-	-
9C03	Rock Creek	5600	4/29	15	5.1	-	-
10C06	Spur Park	8000	4/28	60	20.4	29.7	20.0*

ST. MARY RIVER

13A18	Hudson Bay Divide	5800	5/2	41	17.5	22.9	-
13A03	Iceberg Lake No. 3	5600	5/4	52	28.3	34.8	29.6
13A14	Josephine Lower No. 9	4900	5/3	40	18.9	19.6	17.9*
13A07	Mount Allen No. 7	5700	5/3	97	47.8	45.6	49.2
13A06	Piegan Pass No. 6	5500	5/3	80	42.6	43.3	41.3
13A08	Ptarmigan No. 8	5800	5/4	70	36.1	46.8	40.3

UPPER YELLOWSTONE RIVER

10C05	Bald Ridge	7500	4/29	28	10.0	18.0	-
9D01	Camp Senia	7890	5/2	25	7.6	10.8	9.3*
10E03	Canyon	7750	4/29	38	12.8	24.7	13.5*
9D07	Cooke Guard Station	8150	4/29	49	15.5	-	-
10E06	East Entrance	7000	5/3	0	0.0	2.7	3.6*
9D06	Fisher Creek	9100	4/29	95	36.5	-	-
9D05	Grizzly Peak	8400	4/29	71	21.6	23.8	18.2*
10D06	Independence	8000	4/25	33	12.9	27.0	17.7*
10E04	Lake Camp	7850	4/29	22	6.0	13.4	7.2*
9E01	Lodgepole	8200	4/28	25	7.6	12.1	10.7*
10E01	Lupine Creek	7300	5/3	10	3.4	8.2	7.7*
10D12	Monument Peak	9000	4/25	56	20.9	37.3	26.4*
10D07	Northeast Entrance	7400	5/2	8	3.2	10.2	6.2
10C03	Porcupine R. S.	6500	4/29	17	5.2	11.5	-
10D10	Sacajawea	6550	4/30	29	11.4	17.2	10.8*
10C08	South Fork Shields	8100	4/29	68	26.3	36.4	-
10E05	Sylvan Pass	7100	5/2	25	8.0	15.2	10.6*
9D04	Timberline Creek	8850	5/2	49	16.9	25.2	16.7*

NOTE: ALL AVERAGES BASED ON 1948-1962 (15 YEAR PERIOD). *ADJUSTED AVERAGE

SOIL MOISTURE DATA

AS OF MAY 1, 1966

(Inches)

SOIL MOISTURE STATION			SOIL PROFILE		CURRENT DATA		PAST RECORD	
NO.	NAME	ELEVATION	DEPTH	FIELD CAPACITY	DATE OF SURVEY	SOIL MOISTURE	LAST YEAR	**AVERAGE

COLUMBIA RIVER BASIN

Kootenai

15B15M	Baree Trail	3800	48	7.5		6.7	-
14A10M	Murphy Lake R.S.	3000	48	22.6	5/1	21.4	23.0
15A02M	Raven R.S.	3050	48	23.0		22.0	-

Flathead

13A02M	Desert Mountain	5600	54	8.4	4/26	9.6	9.6	8.3
13A05M	Marias Pass	5250	54	6.5		6.4	6.4	6.0

Clark Fork

13C13M	Black Pine	7100	48	10.0	4/27	5.5	-	-
13C15M	Georgetown Lake	6450	48	9.0	4/28	7.2	5.1	5.5
13B19M	Seeley Lake R.S.	4030	48	11.9	5/2	11.6	12.0	-
13C03M	Skalkaho Summit	7260	48	10.8	4/27	10.4	9.7	-

Bitterroot

13D18M	Gibbons Pass	7100	48	7.1	4/28	6.2	7.2	6.8
14C05M	Lolo Pass	5250	48	10.6	4/29	7.4	9.4	-

MISSOURI RIVER BASIN

Beaverhead

11E13M	Lakeview	6700	48	15.3	5/2	9.8	16.5	15.3
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Madison

10D04M	Red Bluff	4800	40	4.7	5/1	2.3	2.6	2.6
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Gallatin

10D15M	Bridger Bowl	7250	48	15.8	4/30	16.4	-	-
11D02M	College Site	4856	54	14.5	4/29	14.8	13.2	12.3
10D13M	Lick Creek	6860	48	18.8	4/30	19.0	-	-
11E06M	Twenty-One Mile	7150	48	10.0	4/28	3.4	3.6	-

Missouri Main Stem

10C01M	Kings Hill	7420	48	11.8	4/28	8.8	7.8	-
12C08M	Stemple Pass	6350	48	5.9	4/29	5.4	5.4	-

Yellowstone

10D11M	Battle Ridge	6020	48	17.6	4/29	15.2	16.6	15.4
10D07M	Northeast Entrance	7350	48	9.4		7.4	7.7	-

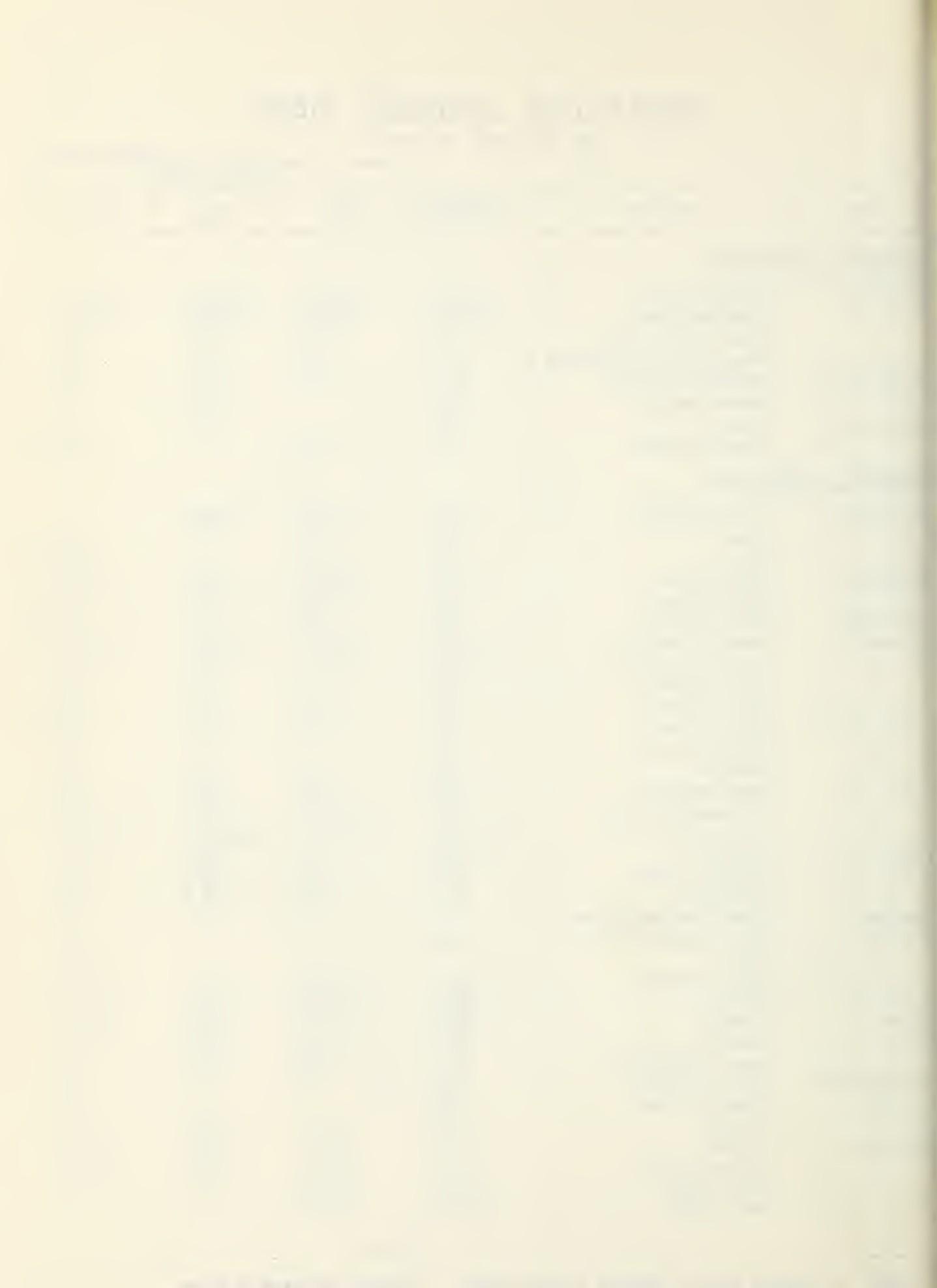
**AVERAGE FOR PERIOD OF RECORD

RESERVOIR STORAGE DATA

AS OF APRIL 30, 1966

(1000 Acre Feet)

BASIN	RESERVOIR	USEABLE CAPACITY	USEABLE STORAGE		
			THIS YEAR	LAST YEAR	AVERAGE
COLUMBIA RIVER BASIN					
Flathead	Hungry Horse	3,428.0	2,437.0	1,564.0	2,097.0**
	Flathead Lake	1,791.0	818.5	1,132.0	968.0
	Camas (Sum of 4)	45.2	35.4	29.7	38.1
	Mission Valley (Sum of 8)	100.3	71.8	51.0	45.1
Clark Fork	Georgetown Lake	31.0	21.6	22.0	21.2
	Noxon Rapids	334.6		170.1	-
Bitterroot	Como	34.9		24.5	17.9
	Painted Rocks	31.7	20.5	-	22.0**
MISSOURI RIVER BASIN					
Beaverhead	Clark Canyon	328.9	158.1	108.4	-
	Lima	84.0	61.8	77.3	48.3
Ruby	Ruby	38.8	36.9	-	31.7**
Madison	Hebgen Lake	377.5	266.8	198.8	174.8
Gallatin	Ennis Lake	41.0	39.0	25.0	34.9
	Middle Creek	8.0	3.3	4.1	4.6**
	Canyon Ferry	2,043.0	1,478.0	1,589.0	1,577.4**
	Hauser & Helena	61.9	62.4	58.4	49.9
Missouri	Lake Helena	10.4	10.7	9.2	6.6
	Holter Lake	81.9	78.1	69.0	61.8
	Smith River	10.7	10.8	11.4	8.1**
	Ackley Lake	5.8		-	3.6
	Durand	7.0	7.0	7.0	5.9
	Martinsdale	23.1	16.7	10.6	10.6
	Deadman's Basin	72.2	66.6	59.2	45.1**
	Fort Peck	19,410.0	16,700.0	15,950.0	11,128.6
	Gibson	105.0	74.5	58.8	65.7
	Willow Creek	32.3	26.6	19.5	23.4
Sun	Pishkun	32.0	24.7	16.8	22.5
	Lower Two Medicine		-	-	1.4
	Four Horns	19.2		-	10.9
	Swift		-	-	26.7
Marias	Lake Frances	112.0	98.9	-	96.0
	Tiber	1,347.0	707.9	836.6	656.3**
	Fresno	127.2	128.1	134.9	108.1
	Nelson	66.8	58.9	40.3	39.8
Yellowstone	Lake Sherburne	66.1	25.9	29.1	24.8
	Mystic Lake	20.8	2.0	1.6	2.8
	Tongue River	68.0		-	20.0
	Cooney	27.5	22.6	11.2	15.0**
Big Horn	Boysen	700.3	330.2	231.6	156.9
	Buffalo Bill	373.1	238.0	117.3	135.2
	Bull Lake	151.7	84.3	44.5	51.5
	Yellowtail	1,409.0	363.3	-	-



Agencies Cooperating in Collecting Data Contained in this Bulletin

- U. S. Forest Service
Region 1, Missoula, Montana
- U. S. Geological Survey
Helena, Montana
- U. S. Army Corps of Engineers
Portland, Oregon
Seattle, Washington
Omaha, Nebraska
- U. S. Indian Irrigation Service
St. Ignatius, Montana
- U. S. Weather Bureau
Helena, Montana
- U. S. Bureau of Sports Fisheries
and Wildlife
Red Rock Lakes Refuge
Monida, Montana
- U. S. Bureau of Reclamation
Billings, Montana
Boise, Idaho
- U. S. Soil Conservation Service
Montana, Wyoming, Idaho
- Soil and Water Conservation Districts
Montana Counties
- U. S. Bonneville Power Administration
Portland, Oregon
- U. S. National Park Service
Yellowstone National Park
Glacier National Park
- Montana Power Company
Butte, Montana
- State Water Conservation Board
Helena, Montana
- North Montana Branch Station
Agricultural Experiment Station
Havre, Montana
- Montana State University
Agricultural Experiment Station
Bozeman, Montana
- University of Montana
School of Forestry
Missoula, Montana
- Johnson Flying Service, Inc.
Missoula, Montana
- Water Rights Branch, Dept. of
Lands and Forests
Victoria, British Columbia
- Department of Northern Affairs
and National Resources
Calgary, Alberta

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“The Conservation of Water begins
with the Snow Survey”